

MATERIAL SAFETY DATA SHEET**MacDermid**

INCORPORATED

245 FREIGHT ST. • WATERBURY, CT 06702 • (203) 575-5700

PRODUCT**CUMAC 8706****PRODUCT
CODE****18706**

PRODUCT CODE MUST ACCOMPANY ALL INQUIRIES REGARDING THIS PRODUCT

2**0****0****CO****Health Flammability Reactivity Other****Issue Date: 7/23/1986****Page: 1****Revised Date: 10/04/1994****5**

24 HR. EMERGENCY NUMBER: CHEMTREC (800) 424-9300

SECTION 1**PRODUCT IDENTIFICATION****TRADE NAME:** CUMAC 8706**CHEMICAL FAMILY:****FORMULA:** Proprietary Mixture**HMIS RATING:** 2 HEALTH 0 FLAMMABILITY 0 REACTIVITY COOTHER
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme**SECTION 2****HAZARDOUS INGREDIENTS**MacDermid Inc. has identified the following chemical ingredient(s)
as hazardous.

INGREDIENT(S)	CAS #	BY WEIGHT %
Sulfuric Acid	7664-93-9	1 - 3

SECTION 3**PHYSICAL DATA**

DENSITY: 8.860 LB/GL	FORM: Liquid
SPECIFIC GRAVITY: 1.062	pH: < 2.00
FREEZING POINT: 28.00F/ -2.	FLASH POINT: NOT DETERMINED
VAPOR PRESSURE: NOT DETERMINED	VOLATILE %: NOT DETERMINED
CHEMICAL OXYGEN DEMAND (COD): NOT DETERMINED	
SOLUBILITY IN WATER: Complete Solubility	
COLOR / ODOR: Purple, opaque/little to no odor	

NOTE: These physical properties are typical values for this product**SECTION 4****FIRE AND EXPLOSION DATA****FLASH POINT:** NOT DETERMINED**EXTINGUISHING MEDIA:**NEVER allow run-off to enter sewers or waterways.
Dry chemical; carbon dioxide; foam; water
For massive fires use unmanned hose holder or monitor nozzle.**UNUSUAL FIRE & EXPLOSION HAZARDS:**

Wear self-contained breathing apparatus/protective clothing

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**IMPORTANT HEALTH & SAFETY INFORMATION**

MacDermid Incorporated

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SECTION 6

HEALTH EFFECTS DATA

(Continued)

May burn mouth/throat and stomach
Damage to digestive tract including corrosive effects

INGESTION (CHRONIC):

Stomach or abdominal pain may develop

INHALATION (ACUTE):

Irritation of mucous membrane of nose/mouth/throat may occur
May cause burns to entire respiratory system.
Acute pulmonary edema may develop

SECTION 7

PERSONAL PROTECTIVE DATA

RESPIRATORY PROTECTION:

If there is a value for OSHA-PEL/ACGIH-TLV in section 13 and it is exceeded, it is recommended that a NIOSH approved respirator be used. Consult with your Industrial Hygienist for appropriate cartridge selection and use.

For large spills, entry into large tanks, vessels or enclosed small spaces with inadequate ventilation, a pressure demand, self contained breathing apparatus is recommended.

VENTILATION:

General ventilation is recommended. Additionally, local exhaust ventilation is recommended where vapors, dusts, mists or aerosols may be released.

PROTECTIVE EQUIPMENT:

Safety glasses and/or splash proof goggles, face shields and the availability of an eye wash is recommended.
Chemical aprons; Boots and Gloves, the availability of a safety shower is recommended. If clothing is contaminated remove clothing and thoroughly wash the affected body area.
Laundry contaminated clothing before reuse.

Consult with your Safety Professional/Industrial Hygienists for specific information regarding applications at your facility.

SECTION 8

TOXICOLOGY DATA

TOXICITY STUDIES:

Toxicity studies have not been conducted on this product. However, toxicity literature surveys have been conducted on the ingredient(s) in Section 2. The results are as follows:

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SECTION 10 SPILLS & DISPOSAL DATA (Continued)

Collect for disposal in plastic recovery drum. Flush residue with plenty of water to chemical drain.

DISPOSAL:

Dilute with large amounts of water and neutralize with dilute acid. Discharge to chemical waste treatment system.

Due to more restrictive waste disposal regulations, NEVER wastetreat or dispose of material until you check your appropriate local, state, & federal regulations for requirements. Spills may REQUIRE notification to FEDERAL, STATE and/or LOCAL AUTHORITIES.

SECTION 11 TRANSPORTATION DATA

DOT PROPER SHIPPING NAME: CORROSIVE LIQUID, NOS

HAZARD: 8/CORROSIVE MATERIAL

UN/NA# : UN1760

Pkg Grp: III

DOT REPORTABLE QUANTITY (RQ): NOT APPLICABLE

IMO: CORROSIVE LIQUIDS N.O.S.

IMO Class/Sub Class: CORROSIVE/8/0

Pkg Grp: III

UN/NA# : UN1760/8147

IATA: CORROSIVE LIQUIDS, N.O.S.

IATA Cls/Sub Cls: CORROSIVE/8/0

Pkg Grp: III

UN/NA# : UN1760

EXPORT LICENSE MAY BE REQUIRED TO EXPORT THIS PRODUCT

SECTION 12 GENERAL STORAGE DATA

STORAGE TEMPERATURE: MAXIMUM: 120.00F 48.88C MINIMUM: 033 F (1 C)

Material should be stored in the properly sealed original container

CORROSIVE MATERIAL:

Corrosive materials must not be above, below or adjacent to:
Flammable solids, Oxidizing materials or Cyanide bearing materials (Poisons).

POISONS:

Cyanides or Cyanide mixture must not be loaded or stored with Acids or Corrosive liquids.

SECTION 13 REGULATORY DATA

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SECTION 13

REGULATORY DATA

(Continued)

Please refer to Section 10, disposal information for pertinent data

TOTAL TOXIC ORGANICS

This product does not contain ingredients on the List of Total Toxic Organics

OSHA PROCESS SAFETY (1910.119):

This product does not contain ingredient(s) listed in Appendix A of 29 CFR 1910.119 list of Highly Hazardous Chemicals, Toxics and Reactives of OSHA process safety management.

CLEAN AIR ACT:

This product does not contain ingredient(s) listed on the Hazardous Air Pollutants of CAA 40 CFR 112(G).

OZONE DEPLETING SUBSTANCES:

This product does not contain ingredient(s) listed on Ozone Depleting substances of CAA 40 CFR 82.

STATE REGULATIONS:

California Proposition 65:

This product complies with the MSDS and labeling requirements of the Safe Drinking Water and Toxic Enforcement Act of 1986.

This product does not contain ingredient(s) listed on California Prop65 List

Michigan Critical Materials:

This product does not contain ingredient(s) listed on the Michigan Critical Materials Register.

The information listed above does not include all Federal, State, and International regulations. The regulations listed above may change from time to time; it is the users responsibility to keep advised of current regulatory requirements.

Prepared by MacDermid Inc. Safety & Regulatory Compliance Department, based upon publicly available reference information.

SECTION 14

USER NOTIFICATION

To the best of our knowledge the information contained herein is correct. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is